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PATENT  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICANT(S): D. J. Wright et al.

SERIAL NO.: 09/335,218

ART UNIT: 1655

FILING DATE: June 17, 1999

EXAMINER: B. Forman

FOR: METHOD AND OLIGONUCLEOTIDES FOR DETECTING NUCLEIC  
ACID SEQUENCE VARIATIONS

RESPONSE PURSUANT  
TO 37 C.F.R. §1.111

Honorable Commissioner for Patents  
Washington, D.C. 20231

Sir:

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING  
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ON: DECEMBER 10, 2001  
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BY: URSULA M POLIGNONE  
(NAME)

Ursula M Polignone 12/10/01  
(SIGNATURE) (DATE)

In response to the Office Action mailed on July 13, 2001 (Paper No. 17), please amend  
the present application as follows, and consider the remarks below.

In the claims:

Please amend the claims as follows.

1. (amended) A method for detecting a single nucleotide polymorphism in a target comprising:
- hybridizing a detector primer and a second primer to the target such that extension of the second primer by polymerase displaces the detector primer from the target sequence, wherein the detector primer comprises a diagnostic nucleotide for the single nucleotide polymorphism which is about one to four nucleotides from the 3' terminal nucleotide of the detection primer;
  - extending the detector primer and the second primer with polymerase to produce a displaced detector primer extension product;
  - determining an efficiency of detector primer extension, and;
  - detecting the presence or absence of the single nucleotide polymorphism based on the efficiency of detector primer extension.